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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/04/2001

REEL/FRAME: 011856/0677
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
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DOC DATE: 05/22/2001

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DOC DATE: 05/22/2001

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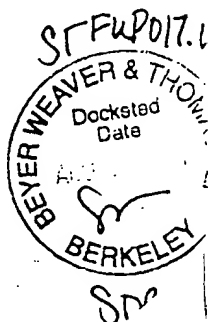
SERIAL NUMBER: 09788267
PATENT NUMBER:

FILING DATE: 02/16/2001
ISSUE DATE:

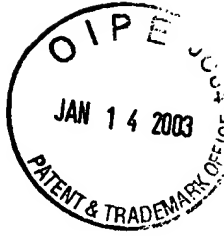
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#9

PATENT

B-D,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Zeng et al.	Examiner:	unassigned
Serial No.:	09/788,267	Group Art Unit:	2151
Filed:	February 16, 2001	Docket No.:	New: STFD.058PA Old: STFUP017
Title:	CROSSTALK IDENTIFICATION IN XDSL SYSTEMS		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the papers, as described herein, is being deposited with the United States Postal Service as First Class Mail on the date indicated below and is addressed to: Assistant Commissioner of Patents, Washington, DC 20231 on January 1, 2003.

By:

Bridget M. Hayden

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S.

Patent and Trademark Office in connection therewith:

Robert J. Crawford, Reg. No. 32,122

LeRoy D. Maunu Reg. No. 35,274

and other attorneys of Crawford Maunu PLLC

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Certificate Under 37 C.F.R. § 3.73(b)

The Board of Trustees of the Leland Stanford Junior University, an entity organized and existing under the laws of the State of California, having a place of business at 1705 El Camino Real, Palo Alto, California 94306, certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of an assignment recorded at Reel 011856, Frame 0677, (copy attached) from the inventors of the patent application identified above.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this statement on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please direct all correspondence in this application to:

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Date: 12/30/02

By: Katharine Ku

Katharine Ku

Title: Director of Office of Technology

and Licensing, Stanford University